SERVICE MANUAL

FOR

MODEL SSW-321-Dr1

MINI WALL TELEPHONE

EQUIPPED WITH XFD PRINTED CIRCUIT BOARD

Serving the Telephone Industry Since 1930

Communication Equipment
& Engineering Company

519 W est South Park Street
Okeechobee, FL.34972
Voice: 863-357-0798
Fax: 863-357-0006

IMPORTANT INFORMATION FOR CUSTOMER

Please fill in before you continue.

The following information is necessary when calling CEECO for assistance.

MODEL NUMBER	MODEL SSW-321-Dr1 STAINLESS STEEL MINI WALL TELEPHONE WITH XFD PRINTED CIRCUIT BOARD.
SERIAL NUMBER	
DATE MANUFACTURED	
LOCATION INSTALLED	

For us to better serve you, please have this information available when calling for technical support.

CEECO

Communication Equipment & Engineering Company

519 West South Park Street
Okeechobee, FL. 34972

(863) 357-0798 Voice
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1.0 INTRODUCTION

The practices in this manual provide installation and maintenance information for Model SSW 321-Dr1 Stainless Steel Mini Wall Telephone equipped with the XFD printed circuit board.

The information in this manual is subject to change without notification.

For information not included in this manual, please call or write:

CEECO
Customer Service
519 West South Park Street
Okeechobee, FL. 34972

(863) 357-0798
(863) 357-0006 FAX

2.0 GENERAL DESCRIPTION

The CEECO Model SSW-321-Dr1 Mini Wall telephone is designed for special applications where a telephone must be both sturdy and attractive. It is equipped with an XFD printed circuit board that will dial a single number of up to eleven (11) digits. The auto dialing feature is activated by hookswitch closure, when the handset is lifted. The board is also equipped to dial a PBX or other access number prior to the auto-dial number, when the telephone is taken off-hook. This telephone is further equipped with a receiver operated magnetic reed hookswitch, which equates to fewer moving parts and a more "sealed" construction. Volume control is inherent to the phone. A volume control button bearing a universal volume symbol is located on the face of the housing next to the keypad. With each press of the button, the volume increases one increment. On the fourth press on when the phone is hung up, the volume resets to normal. Background noise elimination is also inherent to the unit and may be activated during programming. Programming is performed by calling this phone from another phone as described in the next section.

3.0 PROGRAMMING

NOTE: It is recommended that you ground yourself to prevent ESD damage to the PCB(s).

*******WARNING*******

A. Never install telephone wiring during a lightning storm.

B. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.

C. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.

D. Use caution when installing or modifying telephone lines.

1) Connect the Ceeco XFD Series Telephone to the Telephone Line provided by your local Telephone Company or to analog type PABX Station.

2) Using another Telephone (Different Telephone Line or cell phone) equipped with a Touch Tone Keypad, **call the CEECO XFD Series Telephone**.

3) After 4 rings of the CEECO Telephone, **answer it** by lifting the handset off hook and keep it that way. Three tones should be heard indicating the phone is ready for remote input.

4) With the other phone, enter # 2 3 3 2 6 *. This is the factory default 5-digit pass code. Instructions for changing the pass code appear below. **Two (2) beeps** will be heard indicating a valid Pass Code entry. Five (5) beeps will only be heard when an error occurs and programming was not accepted. **Two (2) beeps** will always be given to indicate each successful programming entry below.

- Enter # 9 7 * to clear all memory. It is not necessary to do this hereafter. Individual programming options may be changed from time to time by entering only the necessary key presses and there is no requirement to "re-program" everything each time.
- If it is necessary to enter a PBX or other access digit, enter # 5 5 x * (where x = any number 0 thru 9). When a call is initiated, the phone will automatically dial this digit first.
- If it is ever necessary to Disable the PBX/Access feature enter # 5 5 *.
- If a pause is required between the PBX or Access number dialing and the auto-dial number, enter # 5 8 x * (where x = # of seconds for the pause. 1 to 9 seconds maximum).
- If it is required that the phone dial in Rotary Dial Mode enter # 5 7 1 * (Rotary 10pps).

Programming Continued…

- If the environment is noisy and background noise elimination is desired, enter # 5 9 1 *.
- To program the **Auto Dial Number**, **enter # 1 9 x * (where x = the number to be dialed).**
- In order to change the Pass Code, enter # 3 1 x * (where x = any 5-Digit pass code).
- When programming is completed, simply hang up.

Release Firmware: xfd31_v1_1

4.0 OPERATION

- Lift the handset.
- The programmed number will be dialed automatically, as well as any PBX/Access digit.
- A normal phone conversation may take place.

5.0 INSTALLATION NOTES AND ASSEMBLY INSTRUCTIONS

5.1 Using a 301-037 security tool (sold separately), loosen and remove the security screw.

5.2 The security tool is for a standard 5/32" button head screw generally used on the framework of the phone booths.

5.3 Separate the cover assembly from the backplate assembly.

5.4 The backplate assembly may be installed on any standard backboard.

5.5 Run the inside station wire through the backplate assembly and terminate on to the RJ11C terminal block on the backplate.

5.6 The use of a gas tube station protector is recommended. The station ground should not exceed 50 ohms.

5.7 Plug the modular line cord from the cover assembly into the RJ11C terminal block.

5.8 Dress the line cable away from the security screw and install the cover assembly by inserting the tabs into the slots on top of the backplate.

5.9 Secure the cover assembly by tightening the security screw.

6.0 TESTING

6.1 Program the phone according to section 3.0.

6.2 Lift the handset.

6.3 The programmed number(s) is automatically dialed.

6.4 The transmitter is muted while the phone is dialing.

6.5 A normal phone conversation takes place.

6.6 When the call is ended, hang up.

7.0 SPECIFICATIONS

INPUT POWER:	C.O. Line Powered
LOOP CURRENT:	20mA min to 80mA max
IMPEDANCE:	600 ohms
HEARING AID COMPATIBLE:	Meets EIA standards
ENVIRONMENTAL:	Temperature 0oC to 50oC Humidity 20%-90% non-condensating.
ENCLOSURE	Brushed 16 ga. Stainless Steel
DIMENSIONS:	5" Wide x 10 3/4" High x 2" deep 5” Deep with Handset on hook
MOUNTING:	Vertical surface mount
WEIGHT:	7 lb.
FCC REGISTRATION:	BW-88T7-13717-TE-T
UL LISTED NO.:	6OF5
RINGER EQUIVALENCY:	0.1A
TYPE JACK:	RJ11C

8.0 PARTS LIST

QUANTITY	PART NUMBER	DESCRIPTION
1	301-11909	Stainless Steel Mini Housing
1	XFD	Printed Circuit Board
1	301-106-32	Handset with Armored Cord
1	401-009	Ringer
1	301-592	Receiver Operated Magnetic Hookswitch
1	301-018	Modular Cord
1	321-015	Stainless Steel Backplate
1	321-016	1/4 - 20 x 3/4 Security Screw
1	301-005	Cable Ferrule
1	301-052	Grommet
1	301-6077	Volume Control Button

ACCESSORIES:

1	301-037	Security Tool

OPTIONS:

1	301-106-32	Handset with Steel Lanyard
1	301-106-18 (Prison)	Short Cord Handset with Steel Lanyard

9.0 FCC NOTICE

9.1 FCC REGISTRATION AND REPAIR INFORMATION

Your new telephone has been registered with the Federal Communication Commission (FCC) in accordance with Part 68 of its rules. The FCC requires that you be advised of certain requirements involving the use of this telephone.

9.2 CONNECTION WITH THE NATIONWIDE TELEPHONE NETWORK

The FCC requires that you connect this telephone to the Nationwide Telephone Network through a registered jack provided by the telephone company in your area. This jack is a modular outlet, which you can order from your local telephone company.

9.3 NOTIFICATION TO THE TELEPHONE COMPANY

Before connecting this telephone, the FCC requires that you notify your local telephone company business office. The number is in the front of your phone book.

Tell them:

The "line" to which you will connect the telephone (that is, your phone number) and the telephone's FCC registration number and ringer equivalence number. These numbers are listed in section 8.0.

The FCC further requires that you notify your local telephone company when permanently disconnecting this telephone.

10.0 REPAIR AND RETURN INFORMATION

10.1 WARRANTY REPAIR

Any device returned requiring warranty service, repair or credit must be accompanied with a "Return Material Authorization (RMA) Number" and must also include: return shipping instructions, original purchase order number and special marking instructions. A description of the trouble observed must be attached to the defective unit. This information must be inside the shipping container.

10.2 DIRECT ALL INQUIRES TO:

CEECO
Repair Department
519 West South Park Street
Okeechobee, Florida. 34972

(863) 357-0798

10.3 NON-WARRANTY REPAIR

CEECO will repair equipment out of warranty for a set charge plus parts. The customer must pay the shipping costs both directions.

10.4 RETURN FOR CREDIT

Material may be returned for credit only with prior approval. Material authorized for return is subject to a 20% restocking charge based on the manufacturer's list price. Return Material Authorization must be requested no later than 30 days after original shipment.

11.0 WARRANTY POLICY

11.1 GENERAL

CEECO products are guaranteed to be free of defects in material and workmanship for a period of 365 days from the date of original shipment. CEECO's obligation under this warranty is limited to repair or replacement of any part found to be defective by CEECO. Under no circumstances shall CEECO be liable for loss, damage, cost of repair or consequential damages of any kind, which have been caused by neglect, abuse, acts of God or improper operation of equipment.

CEECO will repair or replace any unit during this period if found to be defective for reasons other than abuse and improper use or improper installation. It is the buyer's responsibility to return the defective unit to the factory. CEECO will then repair or replace any defective parts and return them to the buyer free of charge.

11.2 PRINTED CIRCUIT BOARDS

Printed circuit boards should not be repaired in the field. If a unit is found to be faulty, replace it with another unit and return the faulty unit to CEECO for repair. Modifications by anyone other than CEECO will void the warranty.